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11/21/2001

Kevin M. Ferguson

7217 US

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01/29/2009

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EXAMINER

TRAN, TRANG U

ART UNIT

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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## DETAILED ACTION

### *Response to Arguments*

1. Applicant's arguments filed January 12, 2009 have been fully considered but they are not persuasive.

In re pages 4-5, regarding claims 1, 3 and 5, Applicant argues that neither Yang nor De Haan nor their combination teaches or suggests "adaptive filtering...using a human vision model" because again, one of ordinary skill in the art of video signal processing knows that a "human vision model" is a machine vision model which is designed to match the perceptual response of the human vision system.

In response, the examiner respectfully disagrees. As discussed in the last Office Action, De Haan et al teach an adaptive filtering. De Haan et al discloses in col. 9, lines 23-34 that "The present implementation of the invention can also be used in a method of reducing interference artifacts in television pictures, which often introduce a single dominant sine-wave in a single direction which corresponds to a single peak in the two-dimensional frequency domain. By means of a partial block transform, it is possible to obtain the frequency coefficient(s) representing this interference, and to correct the signal with the difference between the inverse transform of the temporally filtered version of this or these coefficients and that of the original one. A reduction of the interference is thus obtained without using a full field memory". From the above passage, obtaining the frequency coefficient(s) representing the interference is **model** and this model is for human vision because this model is used for reducing interference

artifacts in television pictures. Thus, the adaptive filtering of De Haan et al is a human vision model as required by claimed invention.

Additionally, Applicant argues that De Haan models the frequency interference is not the human vision system because one of ordinary skill in the art of video signal one of ordinary skill in the art of video signal processing knows that a "human vision model" is a machine vision model which is designed to match the perceptual response of the human vision system and De Haan's method of reducing interference is not designed to match the perceptual response of the human vision system in any way.

In response, the examiner respectfully disagrees. Reducing interference of De Haan is designed to match the perceptual response of the human vision system because interference of De Haan relates to the response of the human eyes.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trang U. Tran whose telephone number is (571) 272-7358. The examiner can normally be reached on 9:00 AM - 6:30 PM, Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on (571) 272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

January 21, 2009

/Trang U. Tran/  
Primary Examiner, Art Unit 2622